



Village of Round Lake Community Development

442 N. Cedar Lake Road, Round Lake, IL 60073

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www.eroundlake.com

SOLAR PANEL REQUIREMENTS

PERMIT APPLICATION CHECKLIST

- ☐ Complete and sign Building Permit Application.
- ☐ Provide copy of approved ComEd Interconnected Application.
- ☐ Provide letter showing calculations certifying that existing roof can support solar panels and associated loads. Must be stamped by an Illinois licensed design professional.
- ☐ Provide stamped plans, by an Illinois licensed design professional, showing location of array(s) (with required ridge and two pathways), equipment location, conduit schedule equipment cut sheets, warning signs/labels and method of attachment.
- ☐ Provide a copy of electrical license or installers certification.
- ☐ Provide a Homeowner's Association approval letter (if applicable).

Permit applications will NOT be accepted without all of the above requirements.

Please allow 5-10 business days for permit review.

PERMIT FEES

Residential (ground mounted) \$140.00 (roof mounted) \$100.00

Commercial (ground mounted) \$155.00 (roof mounted) \$115.00

Additional fees may apply, please refer to the Village of Round Lake Municipal Code 20.56.010.

PERMIT GUIDELINES

- The village has adopted NEC 2017 and the 2018 ICC Codes including; 2018 IRC (Section 324), NEC 2017 (Article 690) and 2018 IFC (Section 1204) all of which have specific requirements for solar installations.
- For the village of Round Lake, the ground snow load is 30psf and the wind speed is 115mph.
- Must comply with increased pathway, two not less than 36" wide and ridge setback requirements, 18" or 36". (IRC Section 324)

- Solar panels cannot be installed in front of bedroom windows that meet emergency egress requirements.
- Required array access pathways must be accessible from the ground without interference from landscaping, knee walls and steep slopes away from house.
- NEC Article 690.7 limits maximum voltage of PV system to 600 volts or less, provide system voltage.
- NEC 2017 Article 690.11 requires DC systems operating at 80 volts or greater to be protected by a listed PV arc-fault circuit. Clearly label circuit (if part of self-contained component identify component).
- NEC 2017 Article 690.12 requires a rapid shutdown function to reduce shock hazard for emergency responders (must provide code compliant signs/labels).
- Rough framing inspection required if plans call for additional roof framing.
- Final electrical inspection approval is provided so the contractor can obtain the ComEd Certificate of Completion. (Solar PV systems that are operational will not be given final electrical approval.)

INSPECTIONS

1. Final electrical (cannot be operational)

Updated 11.27.19